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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Kazutoshi YASUNAGA et al. Group Art Unit : 2626  
Appl. No. : 10/614,834 Examiner : A. A. ARMSTRONG  
Filed : July 9, 2003 Confirmation No. : 8124  
For : SPEECH CODER AND SPEECH DECODER

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
U.S. Patent and Trademark Office  
Customer Service Window, Mail Stop AMENDMENT  
Randolph Building  
401 Dulany Street  
Alexandria, VA 22314

Sir :

In accordance with the duty of disclosure under 37 C.F.R. §1.56 and §§1.97-1.98, and supplemental to the Information Disclosure Statements previously filed, Applicants hereby bring to the attention of the Examiner a European Search Report dated January 24, 2007 with respect to patent family member European Patent Application No. 06019107.9, in which the following documents were cited:

YASUNAGA et al., "ACELP Coding with Dispersed-Pulse Codebook," IEICE Spring Convention Lecture Transactions, March, 1997, page 253; and

LAFLAMME et al., "On Reducing Computation Complexity of Codebook Search in CELP Coder Through the Use of Algebraic Codes," IEEE, April 3, 1990, pages 177-180.

The relevance of these documents, as ascertained with respect to the European claims by the European Examiner, is set forth in the European Search Report.

Applicants further bring to the attention of the Examiner an Extended European Search Report dated January 31, 2007 with respect to patent family member European Patent Application No. 06021078.8, in which the following documents were cited:

United Kingdom Patent Publication No. GB 2 238 696 A. Applicants note that this document is a patent family member of U.S. Patent No. 5,307,441 A, which was previously cited in an Information Disclosure Statement filed in the present application; and

SKOGLUND et al., "Predictive VQ for Noisy Channel Spectrum Coding: AR or MA?" 1997 IEEE International Conference On Acoustics, Speech, and Signal Processing, Munich, Germany, April 21-24, 1997, Los Alamitos, CA, USA, IEEE Comput. Soc., U.S., Vol. 2, April 21, 1997, pages 1351-1354.

The relevance of these documents, as ascertained with respect to the European claims by the European Examiner, is set forth in the Extended European Search Report.

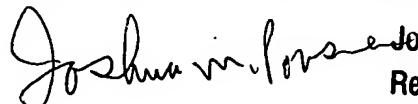
Applicants respectfully request that the Examiner consider the above material and cite the same. Copies of the above-noted documents are attached hereto, and are listed on an attached PTO-1449 Form. Copies of the European Search Report and the Extended European Search Report are also attached hereto. The Examiner is requested to initial the appropriate spaces on the attached Form and to return a copy of the completed Form to Applicants with the next official communication in the present application.

Applicants note that this Supplemental Information Disclosure Statement is being submitted subsequent to the issuance of a Non-Final Office Action on the merits, but before the issuance of a Final Office Action on the merits. In accordance with 37 C.F.R. §1.97(d), Applicants hereby certify that each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart

foreign application not more than three months prior to the filing of this Information Disclosure Statement. Thus no fee is believed necessary to ensure consideration of the submitted material.

Should the Examiner have any questions, the Examiner is invited to contact the undersigned at the below-listed telephone number.

Respectfully Submitted,  
Kazutoshi YASUNAGA et al.

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February 20, 2007  
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